CLAIMS

1. A method comprising steps of:

storing data information in a buffer in a transmitter;

transmitting a signal, said signal comprising said data information on a shared channel and control information for recovering said data information on a dedicated channel;

receiving said control information over said dedicated channel before receiving said data information over said shared channel;

recovering said data information using said control information.

2. The method of claim 1 wherein said control information contains a spreading factor for recovering said data information.

3. The method of claim 1 wherein said control information is in a TFCI in a DPCH frame in said dedicated channel.

4. The method of claim 3 wherein said TFCI includes a spreading factor for recovering said data information.

5. The method of claim 1 wherein said signal further comprises voice information on said dedicated channel.

6. The method of claim 5 wherein said control information and said voice information are transmitted in a DPCH frame in said dedicated channel.

7. The method of claim 6 wherein said control information is in a TFCI in said DPCH frame, wherein said TFCI includes a spreading factor for recovering said data information.

8. A system comprising:

a transmitter configured to transmit data information over a shared channel;

said transmitter further configured to transmit control information over a dedicated channel, said control information being associated with said data information;

said transmitter including a buffer for storing said data information, said buffer delaying transmission of said data information relative to transmission of said control information;

a receiver configured to receive said control information over said dedicated channel prior to receiving said data information over said shared channel, said receiver recovering said data information using said control information.

9. The system of claim 8 wherein said buffer stores said data information as data symbols.

10. The system of claim 8 wherein said control information contains a spreading factor for recovering said data information.

11. The system of claim 8 wherein said control information is transmitted in a TFCI in a DPCH frame over said dedicated channel.

12. The system of claim 11 wherein said TFCI includes a spreading factor for recovering said data information.

13. The system of claim 8 wherein said transmitter is further configured to transmit voice information over said dedicated channel.

14. The system of claim 13 wherein said control information and said voice information are transmitted in a DPCH frame over said dedicated channel.

15. The system of claim 14 wherein said control information is in a TFCI in said DPCH frame, wherein said TFCI includes a spreading factor for recovering said data information.

16. The system of claim 10 wherein said spreading factor is supplied to a Walsh cover in said transmitter for Walsh covering said data information.

17. The system of claim 10 wherein said spreading factor is supplied to a Walsh de-cover in said receiver to recover said data information.

18. The system of claim 15 wherein said spreading factor is supplied to a Walsh cover in said transmitter for Walsh covering said data information.

19. The system of claim 15 wherein said spreading factor is supplied to a Walsh de-cover in said receiver to recover said data information.

20. A method comprising steps of:

storing data information in a buffer in a transmitter;

spreading said data information by a spreading factor to generate spread data information;

transmitting control information in a control frame in a dedicated channel, said control frame being associated with said data information, said control frame containing said spreading factor;

transmitting said spread data information in a data frame in a shared channel;

receiving said control frame by a receiver;

extracting said spreading factor from said control frame;

receiving said data frame by said receiver;

recovering said data information from said data frame by using said spreading factor.

21. The method of claim 20 wherein said control frame includes a TFCI.

22. The method of claim 21 wherein said TFCI includes said spreading factor.

23. The method of claim 21 further including a step of transmitting voice information in a voice frame over said dedicated channel.

24. The method of claim 23 wherein said control frame and said voice frame are transmitted in a DPCH frame over said dedicated channel.

25. The method of claim 24 wherein said control frame includes a TFCI, wherein said TFCI includes said spreading factor for recovering said data information.

26. The method of claim 20 wherein said spreading factor is supplied to a Walsh cover in said transmitter for spreading said data information.

27. The method of claim 20 wherein said spreading factor is supplied to a Walsh de-cover in said receiver to recover said data information.

28. The method of claim 25 wherein said spreading factor is supplied to a Walsh cover in said transmitter for spreading said data information.

29. The method of claim 25 wherein said spreading factor is supplied to a Walsh de-cover in said receiver to recover said data information.